المستراد			100 PCT/PTO 1 5 JUN 2001						
FORM PT (REV 11-2	0-1390 U.S. DEPARTMEN	OMMERCE PATENT AND TRADEMARK OFFICE	S DOCKET NUMBER 124-861						
	TEANSMITTAL LETTE	R TO THE UNITED STATES	U.S. APPLICATION NO. (If known, see 37 C.F.R. 1.5)						
JUN 1 5		CTED OFFICE (DO/EO/US) .ING UNDER 35 U.S.C. 371	U9/868241/						
INTERN	ATION APPLICATION NO	INTERNATIONAL FILING DATE	PRIORITY DATE CLAIMED						
STRADE	MPCT/GB99/04260	16 December 1999	19 December 1998						
TITLE C	OF INVENTION								
-	MODIFIED WEIGH	ITED BIT PLANES FOR DISPLAYING GR	EY LEVELS ON OPTICAL ARRAYS						
APPLIC	COKERGIA) Timothy Martin et al								
Annlica	nt herewith submits to the Unite		O/US) the following items and other information:						
1.	_	of items concerning a filing under 35 U.S.C							
2.		SEQUENT submission of items concerning							
3.		•	5 U.S.C. 371(f)). The submission must include						
	items (5), (6), (9) and (21) i	ndicated below.							
4. 🛛	The U.S. has been elected	by the expiration of 19 months from the prio	rity date (Article 31).						
5. A		ation as filed (35 U.S.C. 371(c)(2)).							
a.	is attached hereto (red	uired only if not communicated by the Inter	national Bureau).						
k.	<u></u>	ed by the International Bureau.							
	·	application was filed in the United States Re	• , ,						
6.		tion of the International Application as filed	(35 U.S.C. 371(c)(2)).						
IIa. IIa.	is attached hereto.								
741		ubmitted under 35 U.S.C. 154(d)(4).	7						
7.		of the International Application under PCT A							
j₌a.	_	equired only if not communicated by the Inte	ernational Bureau).						
a b.	_	ted by the International Bureau.	advanta NOT						
[[0		nowever, the time limit for making such ame	endments has NOT expired.						
	have not been made a		POT Addition 40 (OF 11 O O O74/-)(O)						
9.		tion of the amendments to the claims under	PCT Afficie 19 (35 U.S.C. 371(c)(3)).						
10.		e inventor(s) (35 U.S.C. 371(c)(4)).	minory Evenination Banart under BCT						
ال ال	Article 36 (35 U.S.C. 3	on of the annexes of the International Prelir 71(c)(5)).	milary Examination Report under PC1						
	44 T. 00 I. I								
1. —		document(s) or information included:							
11.		tatement under 37 C.F.R. 1.97 and 1.98.	- H						
12.		•	pliance with 37 C.F.R. 3.28 and 3.31 is included.						
13.	A FIRST preliminary amend								
14.	A SECOND or SUBSEQUE	vi preliminary amendment.							
15	A substitute specification.	ov and/or addraga latter							
16.	A change of power of attorno		CT Rule 12ter 2 and 25 U.S.C. 1 921 1 925						
		· -	CT Rule 13ter.2 and 35 U.S.C. 1.821-1.825.						
18.		lished international application under 3	, ,						
19.	_	h language translation of the international a							
20.	other items of information.	PTO-1449 and copy of International Search	i nepoit						

ATTORNEY'S DOCKET NUMBER INTERNATIONAL APPLICATION NO. 124-861 PCT/GB99/04260 CALCULATIONS PTO USE ONLY The following fees are submitted: BASIC NATIONAL FEE (37 C.F.R. 1.492(a)(1)-(5): Neither international preliminary examination fee (37 C.F.R. 1.482) nor international search fee (37 C.F.R. 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO\$1000.00 International preliminary examination fee (37 C.F.R. 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO......\$860.00 International preliminary examination fee (37 C.F.R. 1.482) not paid to USPTO but international search fee (37 C.F.R. 1.445(a)(2)) paid to USPTO......\$710.00 International preliminary examination fee (37 C.F.R. 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4).....\$690.00 International preliminary examination fee (37 C.F.R. 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4).....\$100.00 **ENTER APPROPRIATE BASIC FEE AMOUNT =** 860.00 Surcharge of \$130.00 for furnishing the oath or declaration later than \ \ 20 \$ 130.00 months from the earliest claimed priority date (37 C.F.R. 1.492(e)). NUMBER FILED NUMBER EXTRA RATE CLAIMS \$ 0.00 17 -20 = 0 Х \$18.00 **Total Claims** 2 X \$80.00 160.00 Independent Claims 5 -3 = \$270.00 \$ 270.00 MULTIPLE DEPENDENT CLAIMS(S) (if applicable) TOTAL OF ABOVE CALCULATIONS = 1420.00 Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2. 0.00 SUBTOTAL = 1420.00 Precessing fee of \$130.00, for furnishing the English Translation later than 20 30 months from the earliest claimed priority date (37 C.F.R. 1.492(f)). 0.00 TOTAL NATIONAL FEE = 1420.00 Feb for recording the enclosed assignment (37 C.F.R. 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 C.F.R. 3.28, 3.31). \$40.00 per property 0.00 Fee for Petition to Revive Unintentionally Abandoned Application (\$1240.00 - Small Entity = \$620.00) \$ 0.00 TOTAL FEES ENCLOSED = 1420.00 Amount to be: refunded \$ ti Charged \$ TU A check in the amount of \$1420.00 to cover the above fees is enclosed. a[] Please charge my Deposit Account No. 14-1140 in the amount of \$_____ to cover the above fees. b]] A duplicate copy of this form is enclosed. c. -The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 14-1140. A duplicate copy of this form is enclosed. \boxtimes The entire content of the foreign application(s), referred to in this application is/are hereby incorporated by reference in this application. NOTE: Where an appropriate time limit under 37 C.F.R. 1.494 or 1.495 has not been met, appetition to revive (37 C.F.R. 1.137(a) or (b)) must be filed and granted to restore the application to pending status. SEND ALL CORRESPONDENCE TO: SIGNATURE NIXON & VANDERHYE P.C. 1100 North Glebe Road, 8th Floor Arlington, Virginia 22201-4714 Telephone: (703) 816-4000 Stanley C. Spooner NAME June 15, 2001 27.393 REGISTRATION NUMBER Date

JC18 Rec'd PCT/PTO 1 5 JUN 2001

FORM PTO-1390			U.S. DEPARTMENT C	F CONTROL PATENT AND TRADEMARK OFFICE	ATTC TO DOCKET NUMBER					
(REV 11-2000)			NEMITTAL LETTE	HE LINITED STATES	124-861 U.S. APA - CATION NO. (If known, see 37 C.F.R. 1.5)					
TRANSMITTAL LETTER 19 HE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING LINDER 25 LLS C. 271										
CONCERNING A FILING UNDER 39 U.S.C. 371										
INTERNATIONAL APPLICATION NO. PCT/GB99/04260				INTERNATIONAL FILING DATE 16 December 1999	PRIORITY DATE CLAIMED 19 December 1998					
TIT	LE OI	FINVEN		ITED BIT PLANES FOR DISPLAYING GRE	Y LEVELS ON OPTICAL ARRAYS					
API	PLICA	ANT(S) F	OR DO/EO/US	COKER et al						
App	olicant	t herewit	h submits to the Unite	d States Designated/Elected Office (DO/EO/	/US) the following items and other information:					
1. This is a FIRST submission of items concerning a filing under 35 U.S.C. 371.										
2.		This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371.								
3.	\boxtimes	This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.								
4.	\boxtimes	The U.S. has been elected by the expiration of 19 months from the priority date (Article 31).								
5.	_	a copy of the International Application as filed (35 U.S.C. 371(c)(2)).								
	a.	is attached hereto (required only if not communicated by the International Bureau).								
	b.	has been communicated by the International Bureau.								
	c.	_								
6.		An Eng	An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).							
	a.	is	attached hereto.							
	b.	☐ ha	as been previously su	bmitted under 35 U.S.C. 154(d)(4).						
7.		Amend	lments to the claims o	f the International Application under PCT Art	icle 19 (35 U.S.C. 371(c)(3))					
	a.	☐ a								
	b.	☐ ha	ave been communica	ted by the International Bureau.						
	C.	☐ ha	ave not been made; h	owever, the time limit for making such amend	dments has NOT expired.					
	d.	☐ ha	have not been made and will not be made.							
8.		An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).								
9.		An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).								
10.		A English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).								
	Item	ıs 11 To	20 below concern of	document(s) or information included:						
11.		An Info	rmation Disclosure St	atement under 37 C.F.R. 1.97 and 1.98.						
12.		An assi	ignment document for	recording. A separate cover sheet in compl	iance with 37 C.F.R. 3.28 and 3.31 is included.					
13.	□ ·	A FIRS	T preliminary amendr	ment.						
14.		A SEC	OND or SUBSEQUEN	IT preliminary amendment.						
15.		A subst	titute specification.							
16.		A change of power of attorney and/or address letter.								
17.		A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821-1.825.								
18.		A second copy of the published international application under 35 U.S.C. 154(d)(4).								
19.		A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).								
20.	\boxtimes	Other items or information. PTO-1449 and copy of International Search Report								

U.S. APPLICATION OF (IF HO	U.S. APPLICATION O /IF 10 W.S. SO 37 C.F. R. INTERNATIONAL APPLICATION NO. PCT/GB99/04260			ATTORNEY'S DOCKET NUMBER 124-861					
21. The following fe	as are submi	tted.	1 01/0800/0420			C/	LCULATIONS	PTC	USE ONLY
21. The following fe	FF (37 C.F.F	3. 1.492(a)(1)	-(5):						
Neither internation	nal prelimina	y examinatio	n fee (37 C.F.R. 1.482)						
nor international search fee (37 C.F.R. 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO\$1000.00									
International preliminary examination fee (37 C.F.R. 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO\$860.00									
International preliminary examination fee (37 C.F.R. 1.482) not paid to USPTO but international search fee (37 C.F.R. 1.445(a)(2)) paid to USPTO\$710.00									
International preliminary examination fee (37 C.F.R. 1.445(a)(2)) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4)\$690.00									
International preli	minary exami	ination fee (3	7 C.F.R. 1.482) paid to US	SPTO					
and all claims sat	sfied provision	ons of PCT A	rticle 33(1)-(4)			_		I	
			ENTER APPROPRIATE		= AMOUNT =	\$	860.00		
Surcharge of \$130.00 for months from the earliest	r furnishing th claimed prior	ne oath or dec rity date (37 (claration later than 20 C.F.R. 1.492(e)).			\$	130.00		
CLAIMS	NUMBE	RFILED	NUMBER EXTRA	R	ATE				
Total Claims	17	-20 =	0	X	\$18.00	\$	0.00		
Independent Claims	5	-3 =	2	X	\$80.00		160.00		·
MULTIPLE DEPENDEN	T CLAIMS(S)	(if applicable	<u> </u>	7.0	70.00	\$	270.00	<u> </u>	
			TOTAL OF AB		ULATIONS =	\$	1420.00	<u> </u>	·
Applicant claims sn are reduced by 1/2		tus. See 37	CFR 1.27. The fees indicate				0.00		
					UBTOTAL =	\$	1420.00		
Processing fee of \$130.00, for furnishing the English Translation later than ☐ 20 ☐ 30 months from the earliest claimed priority date (37 C.F.R. 1.492(f)). +						0.00			
			T		ONAL FEE =	\$	1420.00		
Fee for recording the enclosed assignment (37 C.F.R. 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 C.F.R. 3.28, 3.31). \$40.00 per property +					\$	0.00		•	
Fee for Petition to Revive Unintentionally Abandoned Application (\$1240.00 – Small Entity = \$620.00)					\$	0.00		-	
TOTAL FEES ENCLOSED =					\$	1420.00			
						Α	mount to be: refunded	\$	
					\vdash	Charged	\$		
a. A check in the	amount of \$	1420.00 to c	over the above fees is end	closed.		foo	•		
b. Please charge A duplicate co	my Deposit in my of this form	Account No. n is enclosed	14-1140 in the amount of	ع ان در	over the above	166	·5.		
c. The Commissi	oner is hereb	y authorized	to charge any additional f	ees which m	ay be required	l, or	credit any		
overpayment t	o Deposit Ac	count No. 14	 -1140. A duplicate copy of 	of this form is	enclosed.				
d. 🛛 The entire con application.	tent of the fo	reign applica	tion(s), referred to in this a	application is	are hereby inc	corp	orated by refe	renc	e in this
1 ''		11	37 C.F.R. 1.494 or 1.495 l	naa nat baa	n mot a potiti	on i	to revive (37 (` F F	1 137(a)
or (b)) must be filed an	opriate time d granted to	restore the	application to pending s	status.	ii iiiei, apeiiii		7	,	1.107 (u)
		•		7					
SEND ALL CORRESPONDENCE TO:						Kn	m		
NIXON & VANDERHYE P.C. 1100 North Glebe Road, 8 th Floor Arlington, Virginia 22201-4714 Telephone: (703) 816-4000 Signature Signature Signature Stanley C. Spooner NAME									
							<u></u>		
				NOME					
27,393					June 15, 2001				
					RATION NUMBI	ER	Date		